

Abstract

Magnetic linear drive

5 A magnetic linear drive has a coil (10, 11) in whose
interior the current can produce a magnetic flux (13)
in an axial direction (34), having an armature (1)
which can move only at right angles to the axial
direction (34) and which has a magnetically active part
10 (3) which is magnetized, in particular, parallel to,
but in the opposite direction to, the axial direction
(34). The armature is driven by a current surge, which
accelerates the magnetically active part (3) toward the
coil center, irrespective of its initial position.

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Figure 1

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